



ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

**Environment, Health, & Safety
Training Program**

EHS 410/412 ~ X-Ray Operator Safety

Course Syllabus

Subject Category: Radiation Protection
Course Length: 1.5 hour
Delivery Mode: Class
Schedule: By special request.
Location/Time: Bldg. 75-124

Course Prerequisite: EHS 400
Medical Approval: No

Course Purpose: This course is designed to provide information on the safe use of x-ray machines for operators at LBNL.

Course Objections: These courses cover the following topics:

- Overview of the X-Ray Authorization at LBNL
- Basic provisions of the X-Ray program at LBNL

Course Instructional Materials:

- Overhead Projector
- VCR for Video "*Double Edged Sword*"

Instructors:

Ted deCastro
Keith Heinzelman

Training Compliance Requirements: §10CFR835 section 901 (b), which states that each individual shall demonstrate knowledge of radiation safety topics before operating a radiation-producing machine.

Course Hand-outs: Copy of the course slides

Participant Evaluation: No

Written Exam: Yes

Practical Exam: No

Retraining/Recertification: Annually: normally accomplished as part of the annual renewal of X-Ray Authorization (XA).

Challenge exam: A challenge exam may be taken, in lieu of attending most of the class, by individuals with adequate prior training experience in radiation protection, a brief orientation will still be required. Contact Ted deCastro (x5256) for information on taking the challenge exam.

WEB Resource: See LBNL EH&S Training Program web page and Radiation Protection @ <http://www.lbl.gov/ehs/html/training.htm>.